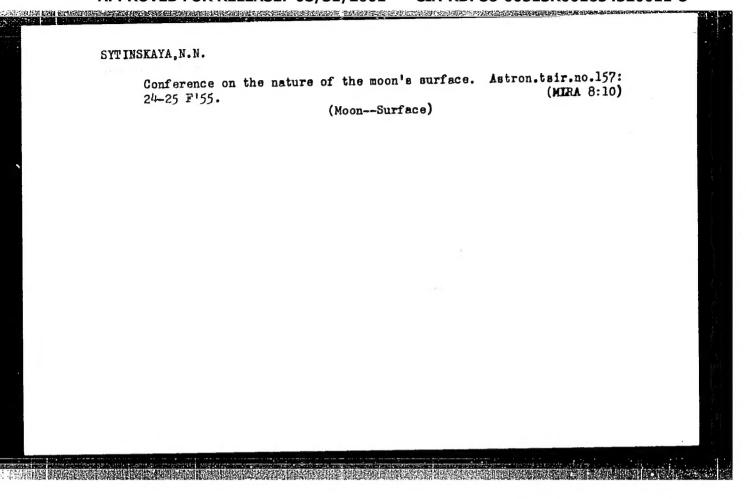


Earth's shadow. Nauka i zhizn' 22 no.1:30-32;45 Ja'55.

(Earth) (Moon) (MLRA 8:2)



SYTINSKAYA, N.N.

Preliminary results of integral photometry of the solar corons of June 30, 1954. Astron.tsir. no.161:8-9 J1'55. (MLRA 8:12)

1. Gosudarstvennyy Yestestvenno-Nauchnyy Institut imeni P.F.Les-gafta

(Photometry, Astronomical) (Sun--Corona)

SYTINSKAYA, N.N.; SHARONOV, V.V., otvetstvennyy redaktor; IMSHENETSKIY, Yu.K., redaktor izdatel'stva; ZENDEL', M.Ye., tekhnicheskiy redaktor

[Instructions for observations of the moon and lunar eclipses; with a supplement of special instructions for the observation of lunar eclipses, formulated by the Committee on Planetary Physics of the Astronomical Council of the Academy of Sciences of the U.S.S.R.] Instruktsiia dlia nabliudenii Luny i lunnykh zatmenii; s prilozheniem spetsial'nykh instruktsii po nabliudeniiu lunnykh zatmenii, razrabotannykh Komissiei po fizike planet Astronomicheskogo soveta AN SSSR. Sost. N.N.Sytinskaia. Moskva, Izd-vo Akademii nauk SSSR, 1956. 29 p. (MLRA 9:7)

1. Vsesoyuznoye astronomo-geodezicheskoye obshchestvo. (Moon--Observations)

SYTINSKAYA, Nedezhda Nikolayevna; RAKHLIN, I.Ye., redaktor; MURASHOVA, N.Ya., tekhnicheskiy redaktor

[The opposition of Mars at perihelion] Velikoe protivostolanie Marsa. Moskva, Gos. izd-vo tekhniko-teoret. lit-ry, 1956. 49 p. (MLRA 9:11) (Mars (Planet)--Opposition, 1956)

SYTINSKAYA, Nadezhda Nikolayevna, professor; DVUKHSHKRSTOV, G.I., redaktor; ZORINA, Ya.A., redaktor; GARNEK, V.P., tekhnicheskiy redaktor

过了。这种是特种**是这种的特殊的,但我们就是这种的**是是我们的,我们就是这些人的,我们就是这种人的,我们就是这种人的,我们就是这种人的,我们就是这种的,我们就是这

[Modern science on the origin of the solar system] Sovremennaia nauka o proiskhozhenii solnechnoi sistemy. Moskva, Izd-vo Akademii pedagog. nauk RSFSR, 1956. 93 p.

(Solar system)

SYTINSKAYA, Nadezhda Nikelayevna; SAMSONENKO, L.V., redakter; MURASHOVA, N.Ia, tekhnicheskiy redaktor.

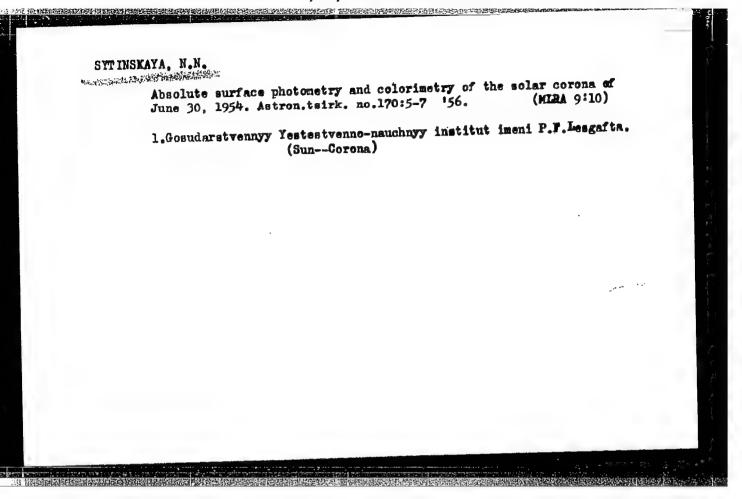
[Moon and its ebservation] Islama i ee mabliudenie. Meskva, Ges. izd-vo tekhnike-teeret. lit-ry, 1956. 253 p. (MLRA 9:6) (Moon)

SYTINSKAYA, N.N., professor.

Present-day studies of the atmosphere and surface of Mars. Priroda (MLRA 9:8)
45 no.6:33-41 Je '56.

(Mars (Planet))

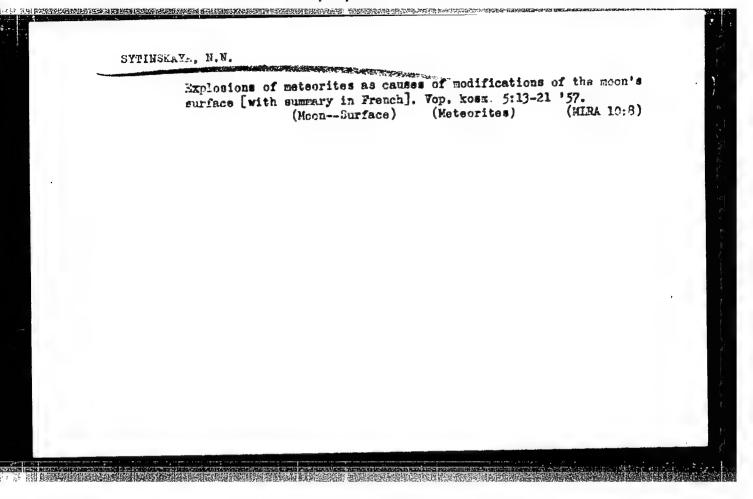
SYTINSKAYA, 1 Relat Astro	ion of polaria	ation and albedo for 8:18 '56.	lunar surface f	Ceatures. LRA 9:8)
1. Go Leaga	osudarstvenn y y Afta.	estestvenno-nauchnyy (MoonSurface)	r institut imeni	P.F



BRONSHTAN, Vitaliy Aleksandrovich; SYTINSKAYA, N.N., prof. red.; SAMSONENKO, L.V., red.; BRUDNO, K.F., tekhn.red.

[Planets and their observation] Planety i ikh nabliudenie. Pod red. N.H. Sytinskoi. Moskva, Gos.izd-vo tekhniko-teoret. lit-ry. 1957 206 p. (MIRA 11:2)

(Planets)



V	New Astro	value of the	light const no.6:899-90	ant of the moo 2' N-D '57.	n [with summe	ry in English]. (MIRA 11:2)
			nauchnyy ins	titut im. P.F. nObservation	Iesgafta. s)	

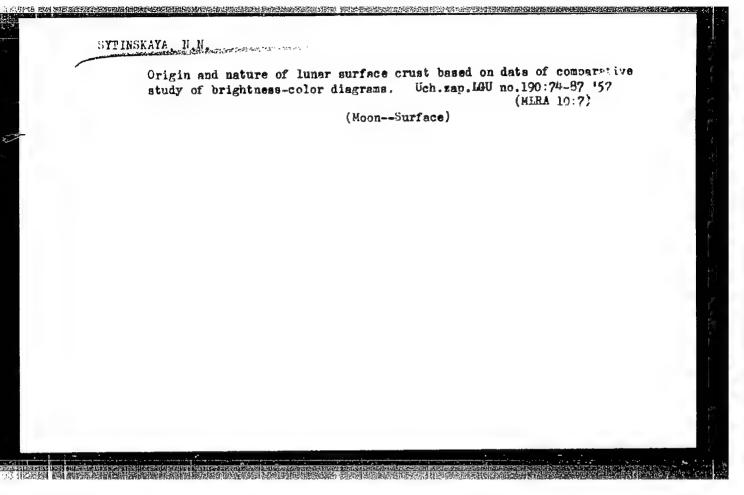
SyTINSKAYA, N.N.

Hature of yellow turbidities on Mars. Astron. tsir. no.177:4-5 F 157.

(MIRA 10:6)

1. Gosudarstvennyy Yestestvenno-nauchnyy Institut im. F.F. Leggata.

(Mars (Planet))



SYTINSERYA, E.M.

Photographic determination of the absolute brightness and color of the solar corona in 1952. Uch.zap.LGU no.190:82-94 157.

(Sun--Corona)

(Sun--Corona)

SYTINSKAYA, N. N.

"Distribution of Brightness and Color in the Solar Corona of June 30, 1954"

(Total Eclipse of the Sun, February 25, 1952 and June 30, 1954, Transactions of the Expedition to Observe Solar Eclipses) Moscow, Izd-vo AN SSSR, 1958. 357 p.

SYTTESKAYA, II. II.

"Photographic Evaluation of the Total Brightness and Color of the Solar Corona of 1954 in Yeysk"

(Total Eclipse of the Sun, February 25, 1952 and June 30, 1954, Transactions of the Expedition to Observe Solar Eclipses) Moscow, Izd-vo AN SSSR, 1956. 357 p.

CYTINSKAYA, N. N.

"The Development and the Confirmation of the Hypotheses Concerning the Nature of the Surface Layers of the Moon." paper read by V. V. SHARONOV

THE PROPERTY OF THE PROPERTY O

Report presented at the Plenary Meeting of the Committee of Planetary Physics, Council of Astronomers, Khar'kov, 20-22 May 1958. (Vest. Ak Neuk SSSR, 1958, No. 8, p. 113-114)

			PRACE I BOOK EXPLORMATION 607/959-4-24(M)	Vestoyunnays satronano-geodesicinstays consciency of particles of the part	Sponsoring Ageacy: Akademiye mank SSM.	Ed. of Publishing House: _K.P. Ouror _ Tech. Ed. Ed. Artillum, Ed. P. P. D.	FURFORS: This publication is intended for astronomers, geophysicists, geodesists,	CONTAINT: This issue of the fullects of the All-Union Astronmical and Geodetic Sectory contains articles on immer and solar seliges, photographic observation	of Juniter and Perseid, soctilizent clouds, a collimating view finder, and the modeling of lumar cirques. The Envyther Astronomical Observatory is described in a separate articles. References accompany individual articles.	TABLE OF CONTENTS!	n .	. a	a a	Sytinibays, R.M. Photometry of Northbosent Clouds by Me. La. Arntlable 26 to Lanteur Astronomers	. Fornito, B.D. Changes of Sweat and Scavered Solar Enclaster During . the Solar Entlast Elipse of June 30, 1974, According to Coerrections in Thiburstain and Salar and Salar Elipse of June 30, 1974, According to Coerrections in Thiburstain 17	Lie Partial Bolar Echipse of December 2, 1956		4	Asharin-Baumin, D.L., Results of Photographic Cheerwijons of Paresia	Penda, A.S. Construction and Application of Collismentag Tier Fladers 61	j	Popur, P.I., Alaksov Anderverich Imator (Deceased)	AVAILABLE: Library of Congress	Cart 3/3 7-25-60	61		
--	--	--	---	--	--	---	---	---	--	--------------------	-----	------------	-----	--	---	---	--	---	--	--	---	--	--------------------------------	------------------	----	--	--

PHASE I BOOK EXPLOITATION

sov/3303

3(1)

Sytinskaya, Nadezhda Nikolayevna

Priroda luny (Physical Environment of The Moon) Moscow, Fizmatgiz, 1959. 175 p. 20,000 copies printed.

Ed.: I. Ye. Rakhlin; Tech. Ed.: Ye. A. Yermakova.

PURPOSE: This booklet is intended for the general reader interested in the natural conditions on and surrounding the Moon.

COVERAGE: The author defines the field of selenology and proceeds to a scientific description of the natural conditions on the Moon. Lunar rotation, revolution, phases, and libration are described. The size, mass, and density of the Moon are discussed as well as lunar topography. Lunar eclipses and the influence of the Earth's atmosphere on the appearance of an eclipse are explained. The elevation of mountains on the Moon is indicated and the history of lunar formations reviewed along with the physical aspects of the lunar surface, its coloration, and luminescence. The Appendix contains a listing of lunar landforms

Card 1/4

SOV/3303	
Physical Environment (Cont.) Ch. III. Topography of the Moon 11. The dark shadows of lunar seas 12. Mountain ridges, peaks, and rolls 13. Ringlike mountains 14. Trenches, clefts, rays, and halos 15. Elevation of lunar mountains 16. Maps and atlases of the lunar surface 17. History of the lunar surface Ch. IV. Physics of the Lunar Surface 18. Whiteness of the Moon 19. Photometry of various sections of the Moon 19. Reflection of light from the lunar surface and its distinctive features 21. Coloration of lunar landscapes 22. Polarization of lunar light 23. Luminescence of the lunar surface 24. Temperature of the lunar surface 25. Problem of the Moon's atmosphere	70 70 75 82 90 95 100 104 117 117 123 128 137 141 146 150 156
Card 3/4	
	and the same of the same

S/269/63/000/002/025/037 A001/A101

AUTHOR:

Sytinskaya, N. N.

TITLE:

On the photometric study of optical properties of the Martian

atmosphere

PERIODICAL:

Referativnyy zhurnal, Astronomiya, no. 2, 1963, 62 - 63, abstract 2.51.500 (In collection: "Rezul'taty nablyudeniy Marsa vo vremya velikogo protivostoyaniya 1956 g. v SSSR", M., AN SSSR, 1959,

114 - 122)

TEXT: Optical parameters of the atmosphere of the planet are listed which can be obtained from observations: optical depth \mathcal{T} , its change with wavelength, the role of true absorption in the phenomenon of extinction, indicatrix of scattering. Two types of regions are observed in the Martian atmosphere: transparent (with small \mathcal{T}) and cloudy-nebulous, where \mathcal{T} is considerable, which calls for employing different methods of investigation. The present article treats the problem of regions with transparent atmosphere, for which is should be possible to separate the brightness components created by scattering in the atmosphere and reflection from the surface. It is pointed out that the single-

Card 1/2

s/269/63/000/002/025/037 A001/A101

On the photometric study of ...

valued solution of this problem on the basis of photometric data only is impossible, since the number of unknowns is too great (in addition to parameters of the atmosphere there are also photometric characteristics of the surface). Therefore the practical application of photometry to study of an atmosphere always includes some system of hypotheses on the nature of which depends the reliability of the results obtained. In particular, the scattering indicatrix should be assumed. The author describes the method of interpreting absolute photometric measurements of the Martian disk at the instant of opposition. Whose results are expressed in the form of brightness factor or visible albedo. It is assumed that T is constant either in time or along the radius of the disk, and the law of reflection from the surface is expressed by the factor of smoothness q. The brightness of an atmospheric layer is described by an empirical formula whose numerical parameters are determined on the basis of one of the light scattering theories. Then the problem is reduced to the solution of a system of transcendental equations, whose unknowns are τ , q and albedo of the surface r; each equation corresponds to definite value of angular distance of the region from the center of the disk. The method of solving such a system is described in detail. Reality of the obtained characteristics of the Martian atmosphere and surface is considered. There are 14 references. I. Lebedeva .

[Abstracter's note: Complete translation]

Card 2/2

s/269/63/000/002/028/037 A001/A101

AUTHOR:

Sytinskaya, N. N.

TITLE:

Some considerations on the state of the atmosphere of Mars

PERIODICAL: Referativnyy zhurnal, Astronomiya, no. 2, 1963, 63 - 64, abstract 2.51.503 (In collection: "Rezul'taty nablyudeniy Marsa vo vremya velikogo protivostoyaniya 1956 g. v SSSR", M., AN SSSR, 1959,

166 - 171)

The author studies the problem of yellow-colored fogs widely spread TEXT: on Mars during the opposition of 1956. It is noted that the regions affected by fogs single out against the background of seas, but blend with the background of continents. Based on this, and taking into consideration characteristics obtained for transparent regions of the atmosphere, the author calculates the dependence of the contrast of seas on the optical depth of fog layers. Applied to Mars observations this leads to a conclusion that the transparency coefficient of the Martian atmosphere decreased 3 times during days with high turbidity, and optical depth increased by one unity. Discussing the nature of

Card 1/2

Some considerations on the state of ...

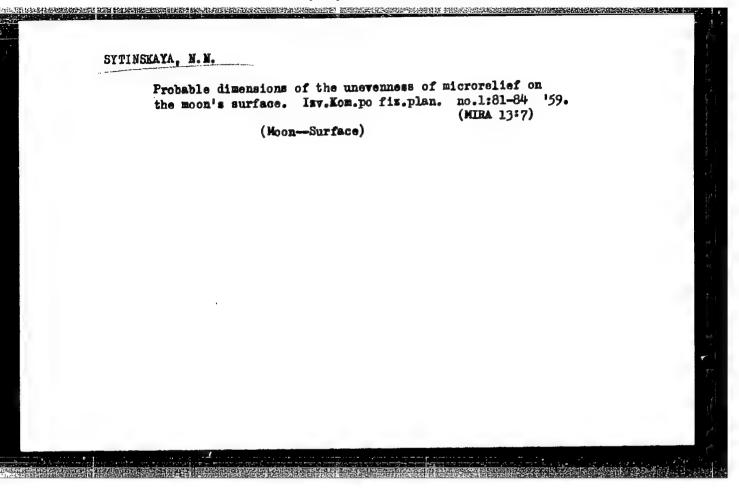
S/269/63/000/002/028/037 A001/A101

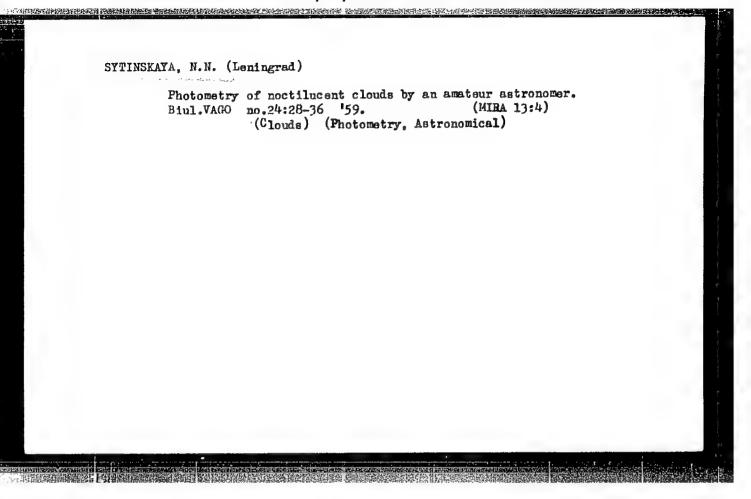
yellow turbidity the author shares the opinion that aerosol was formed by mineral particles suspended in the atmosphere from the surface. This material can not be sand, since it was kept suspended for a long time. It is natural to suppose that fine fractions of particles of the slit and pelite nature produced the fog. The fog color corresponds to ocherous varieties of limonite that confirms the hypothesis according to which Martian continents are covered with limonite dust. There are 17 references.

I. Lebedeva

[Abstracter's note: Complete translation]

Card 2/2





NAME AND PARTICULAR RELIGIOUS DESCRIPTIONS DE LA COMPANSA DEL COMPANSA DE LA COMPANSA DE LA COMPANSA DEL COMPANSA DE LA COMPANSA DEL COMPANSA DE LA COMPANSA DEL COMPANSA DE LA COMPA

10

3(1) AUTHOR:

Sytinskaya, N.N.

sov/33-36-2-14/27

TITLE:

New Data on the Meteor - Slag Theory of the Formation of the

Outer Layer of the Lunar Surface

PERIODICAL:

Astronomicheskiy zhurnal, Vol 36, Nr 2, pp 315-321 (USSR) 1919

ABSTRACT:

The author concludes from photometric, colorimetric and polarimetric investigations of the moon that the visible part of its surface consists of strongly porous striated material of a structure like volcanic slag. This material is formed from the rocks of the lunar crust by the impacts of meteoric bodies. This so-called meteor-slag theory will be confirmed by the new facts presented by the author: Recent determinations of the density of the lunar atmosphere give extremely small values, so that even micrometeorites will meet the lunar surface with cosmic velocities. And rocket measurings give a frequency of one impact per cm² per sec. Finally, some details on the probable structure of the surface material are discussed. The author mentions F.F. Petrushevskiy, N.S. Orlova, V.P. Dzhapiashvili, K.P. Stanyukovich, V.V. Fedynskiy and I.A. Yudin.

Card 1/2

New Data on the Meteor - Slag Theory of the Formation SOV/33-36-2-14/27 of the Outer Layer of the Lunar Surface

There are 1 table, and 18 references, 12 of which are Soviet, 3 American, 1 English, 1 Irish, and 1 French.

ASSOCIATION: Glavnaya astronomicheskaya observatoriya Akademii nauk SSSR (Main Astronomical Observatory of the AS USSR)

SUBMITTED: June 18, 1958

Card 2/2

SYTINSKAYA, N. N.

"The Meteorite-Slag Theory Of The Lunar Surface".

paper presented at IAU Symposium on the Moon, Leningrad, USSR, 6-8 Dec 60.

The visible outer layer of the lunar surface is the result of the alteration of the initial lunar rocks by external factors, the most active being meteorite and micrometeorite impacts. The impact of a meteorite of any size is accompanied by an explosion during which some of the material of the lunar surface evaporates and then subsides, forming exceedingly porous material similar to volcanic slag. The low thermal conductivity in vacuum and the scattering diagram of volcanic slag is in good accordance with observations made for the lunar surface. The comparison of reflection laws in the optical and radio diapasons shows that the unevenness is more probably of the order of millimeters. The dark coloring of the surface is explained by the presence of dark iron oxides, which were formed by the decomposition of silicates containing iron.

Teningrad Unio

								a. a		•	
			3. Observated Attention brigging Card No.	Ch. IV. Pr	CR. 11. Sunser Gartogre Gartogre Gartogre Fysical A. Methods Fine syst Kenson Fine syst S. The syst S. The syst S. The prosible Bibliography	Gh. I. Motion, I. Gardain, I. Gardain, I. Gardain, I. Harbary I. Harbary I. Detarmin G. Gardwatti G. Gardwatti G. Thysical G. Thysical G. The figure G. The	COVERAGE: Tresers: Noom, pb: Noom, pb: Noom, pb: Noom, pre- Noom,	Luna (The H	Larabashov,	: :	
			Observations of the human occultation of stars, as a means of detective atmosphery from refrection phonosoma. Attempts to detect the lumar strosphere by spectroscopic methods Estimation of the density of the lumar atmosphere according to the brightness and polarization of diffused light	Bibliography Bibliography IV. Freblen of the Noon's Atmosphere (M.S. Sytinskays) 1. Etroduction	. Kuan Carbography and Salemographic Coordinates (Sh.T. Embibilita) Sal negraphic coordinates and Carbographic coordinates and Carbographic coordinates of the Moon Neibods for the determination of salemographic coordinates The system of positions of the Moon sauriece details The system of positions of the Moon sauriece details These and photographic editors of the Moon Scattle Sc	Motion, Relation, and Figure of the Moon (A.A. Takwykin) Gertain data on the Moon, its motion and figure History of the Moons, its motion and figure Bistory of the Moon a motion in the Moon intermination of the Junar mars optional Albration of the Moon in the Moon in the Moon for the Take for the Moon's like for the Moon in the History of the Moon's like its and the Moon in the Algure of the Moon of the Junar mountains from setting the observations of the Junar mountains from the State in the State in the Moon in the Moon's like its observations for grodetic purposes resible willistion of Junar observations for interplanatary discreptly	tition and technical personnel interested in lumar research. COTENIES: The book, written by il Soriet authorities, summarises and evaluates research done to date in salunology. The motion, rotation, and figure of the Moon, physical properties of the lumar surface, the question of the estateons of lumar states that is a state of sort attended forest of certain a center forces on the Moon, redar investigations, and the effect of certain a center of lumar selection. So that is a linker of histories of the fiction of the state of the first of the state of limit features is included. The text is illustrated with MO different and 32 tables. There are 72 references: 34 Soriet, 32 English, 6 Generally, and 2 French.	All Control of the Art. 1222-141. (The Hogh) Hoseow, Fizzatgiz, 1960. 384 p. 4,500 sopies printed. (Title page): A.V. Markor, Doctor of Physics and Mathematics; Ed.: Manova, Tech. Ed.: M.Ta. Nurashova.	Harabashov, W.F., W.A. Sronahta K.F. Stannikovich, M.N. Srt.		
!		•	s of the lunar of the lunar of from refract that lunar of the density of the dens	Moon's Ata	phy and Selordinates id for lunal lates of the determinati selvions of sphic atla for determi	on, and fly the Monry of i the hony of i the luna m of the luna continut the relief ton of the he you the relief ton of the he you the relief ton of the he you the relief the nere the relief the continut the relief the stan	personnel personnel vritten te in selen quites of t apping of t apping of the apping o	V. Markor	Fig. Sycins	4	
			view extension of stary, as a means of detecting from refraction phonomous from refraction phonomous continued to the lumar staophers by spectroscopic methods a density of the lumar staophers according to the chartsation of diffused light	M) executace	enographic responsible Poon of selection of the Hoon's the lang geographic languages languag	pure of the lie motion lie motion lie motion rease con so of lunar so of lunar ref the Mon Moon stions of li itions of li itions of the to free that observe	Interested Interested Interested In Soriet Inology. The be lunar su the Moon, re Moon are di in include are 74 ref	1, 1960. 3 Doctor of	FRASE I BOOK EXPLOITATION SOV/2313 Brounhess, M.S. Zal'tser, R.L. Explanorskiy, A.V. Merkoy, S.L. Explanorskiy, A.V. Merkoy, S.L. Robbbullin, W.V.	•	
		:	of stare, (.B. Sytinski	Coordinates congraphic ec surface det koon sphical posi	tra of the Morn (A.A. Takovkin) tta notion and figure be Moon's sotion sage on of luar surface features from observation of the Moon's limb from of luar mountains sof the Mondelia purposes a for geodetic purposes as for geodetic purposes as for geodetic purposes	in lumar report of the control of th	JS4 p. 4,500 coples printed.	Rhabshoy, S	1;	
	The second secon		e according	sye)	s (Sh.T. Kh cordinates tails	Takovkin) hturvs from hturvs f	parch, summarise that on, and question, and questions, and gations of the initial initial in initial i	O copies p	aydanovski h.L. Ebobi		
			of detection thous to the		abibullin)	observation ars	and overly d figure of the axist nd the effs Russian an trated with 2 English,	rinted.	507/4313		
		Gg.	11 12 12 12 12 12 12 12 12 12 12 12 12 1	55 5 3		# # # # # # # # # # # # # # # # # # #	S SECTION OF SECTION O	G.A. ·	TOY,	1	

到 **日本公司的国际公司的公司中国中国共和国的**国际公司的公司的公司的公司的公司的公司的公司的

39325 s/035/62/000/007/049/083 A001/A101

3,2500

AUTHOR:

Sytinskaya. N. N.

TITLE:

Photometric and colorimetric comparison of some porous and compact

rocks of volcanic origin with the lunar surface

PERIODICAL:

Referativnyy zhurnal, Astronomiya i Geodeziya, no. 7, 1962, 73,

abstract 7A521 ("Izv. Komis. po fiz. planet", 1960, no. 2, 59 - 64)

Various volcanic rocks (pumice, slag, volcanic tuffs) were compared with formations of the lunar surface as to the color and lightness. The following conclusions have been drawn: 1) Volcanic slag turned out to be the darkest rock whose average value of lightness r=0.060. 2) The average result for slag is similar to that obtained earlier (RZhAstr, 1956, no. 7, 4217) for the fused crust of meteorites (r=0.052; yellowness index D=+0.11). 3) The average values of parameters for all rocks of basic composition (diabase, basalt, gabbro, etc.) were equal to r=0.141; D=-0.04. 4) For ultra-basic rocks it was obtained on the average: r=0.104, D=-0.006. 5) The lightness comparison warrants the conclusion that lunar continents are covered with ultra-basic rocks, while the seas by volcanic slag. However, there is no sufficient similarity in color. 6) Pumice shows no similarity with the Moon in albedo. 7) Volcanic tuffs contain specimens of very diverse color-Card 1/2

Photometric and colorimetric comparison of ...

S/035/62/000/007/049/083 A001/A101

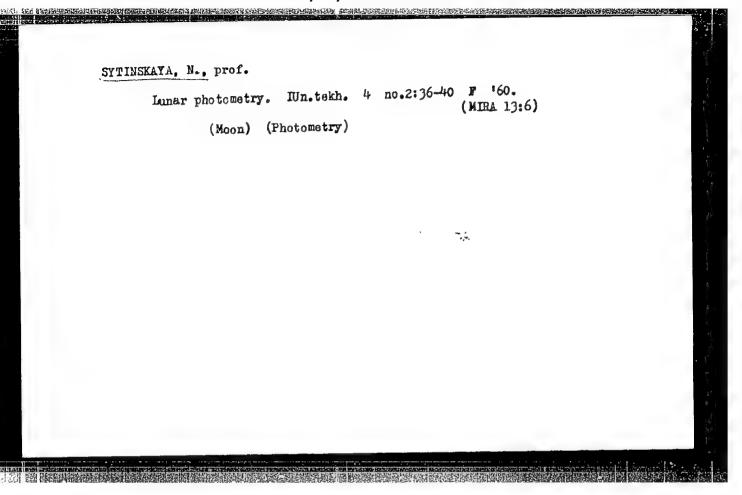
from black to light-grey and from bluish to bright-red. 8) It is desirable to extend the investigation to uncemented pyroclastic rocks (volcanic ashes, sand, lapilli, bombs). There are 8 references.

X

I.R.

[Abstracter's note: Complete translation]

Card 2/2



83434

Z/003/60/000/008/001/003 A203/A026

3,2300

AUTHOR:

Sytinská, N.

TITLE:

What Awaits Man on the Moon

PERIODICAL:

Křidla vlasti, 1960, No. 8, pp. 6-7

TEXT: In connection with the successful launching of a Soviet rocket to the moon on March 14, 1959, the author presents a review of the current views concerning the conditions on the moon. A previous hypothesis that there is a rarefied atmosphere of gases on the moon has not been proven. However, in the night from October 2 to 3, 1958, Soviet Astronomer N.A. Kozyrov observed through a powerful telescope of the Crimean Observatory a short flash in the Alphonso Crater, apparently a cloud of gas which became luminiscent following a volcanic explosion. This is an indication that gases occasionally occur on the moon. The surface of the moon has also been well explored. With the aid of powerful radars it has been established that the moon surface is covered by pits and blisters, whose size ranges from a few millimeters to several centimeters. This, is attributed to the effects of meteorite impacts. Soviet Scientists K.P. Stanyukovich and V.V. Fedynskiy proved by calculations that the energy released

Card 1/2

83434

What Awaits Man on the Moon

z/003/60/000/008/001/003 A203/A026

during a meteorite impact on the moon is great enough not only to vaporize the meteorite itself, but also part of the moon rock. Meteorites and lack of atmosphere will, therefore, constitute the greatest obstacles to man if and when he lands on the moon. There are 2 photographs.

W

Card 2/2

SYTINSKAYA, Nadezhda Nikolayevna; KULIKOV, G.S., red.; YERMAKOVA, Ye.A.,

tekhn. red.

[Planet Mars] Planeta Mars. Moskva, Gos. izd-vo fizikomatem. lit-ry, 1962. 61 p. (Populiarnye lektsii po astronomii,
no.12)

(Mars (Planet))

ASTAPOVICH, I.S.; BAKULII ,P.I.; BAKHAREV, A.M.; BRONSHTEN, V.A.; BUGOSLAVSKAYA, N.YR.[deceased]; VASIL'YEV, O.B.; CRISHIN, N.I.; DAGAYEV, M.M.; DUBROVSKTY, K.K.[deceased]; ZAKHAROV, G.P.; ZOTKIN, I.T.; KREMER, Ye.N.; KRIPOV, Ye.L.; KULIKOVSKIY, P.G.; KUNITSKIY, R.V.; KUROCHKIN, H.Ye.; ORLOV, S.V.[deceased]; POFOV, P.I.; PUSHKOV, N.V.; RYBAKOV, A.I.; RYABOV, Yu.A.; SYTINSKAYA, N.N.; TSESEVICH, V.P.; SHCHIGOLEV, B.M.; VORONTSOV-VELTYAMINOV, B.A., red.; POTOMAREVA, G.A., red.; KRYUCHKOVA, V.N., tekhn. red.

[Astronomical calender; permanent part] Astronomicheskii kalendar'; postoiannaia chast'. Izd.5., polnost'iu perer. Otv. red. P.I.Bakulin. Red.kol.V.A.Brenshten i dr. Moskva, Gos.izd-vo fiziko-matem.lit-ry, 1962. 771 p. (MIRA 15:4)

(Astronomy-Yearbooks)

SYTINSKAYA, II. N.

"Lunar microrelief."

Report to be submitted for the Symposium on Geological Problems in Lunar Research, N.Y. Acad. of Sciences, New York, 16-19 May 1964.

SYTINSKAYA, N.N.

Some characteristics of the polar caps of Mars and their explanation by photographic irradiation. Astron.zhur. 40 no.4:710-713 JI-Ag (MIRA 16:8)

(Mars (Planet))

SYTINSKAYA, N.N.

Albedo of separate features of the moon's surface. Astron. zhur.
40 no.6:1083-1084 N-D '63. (MIRA 16:12)

L 36313-65 FMT(1)/EMG(v)/EEC(t) Pe-5/Pae-2 GW ACCESSION NR: AP5006008 S/0033/65/042/001/0129/0135

28

AUTHOR: Sytinskaya, N. N.

TITLE: Experience in the colorimetric comparison of asteroids and terrestrial

rocks

SOURCE: Astronomicheskiy zhurnal, v. 42, no. 1, 1965, 129-135

TOPIC TAGS: colorimetry, astrophysics, asteroid, terrestrial rock, sun, color index, meteorite, moon, yellowness index

ABSTRACT: A catalog has been compiled of the yellowness index D (the difference between the color index of an asteroid and the sun) for 69 asteroids on the basis of data of various authors. The values obtained fall in the range -0.08 - +0.40, with a mean of +0.178. The distribution curve of the asteroids according to D is approximately symmetrical and has a sharp maximum at D = 0.17. Similar curves and the mean D values are determined for terrestrial materials, the previously published D values being converted to the B - V system. It was found that there is no similarity between the curve for the asteroids and the curves for limestones, sandstones, granites, metamorphic rocks or for volcanic tuffs and slags because these

Card1/3

L 36313-65 ACCESSION NR: AP5006008 a considerable color dispersion, and accordingly the curves extend far in the direction of large D values. Likewise, there is no adequate rocks have similarity to basic and ultrabasic rocks. These rocks are characterized by a small color dispersion, but in comparison with the curve for the asteroids, the corresponding curves are displaced greatly in the direction of a neutral color. The curves for pumice, meteorites, the molten crust of meteorites, and details of the lunar surface show a similarity in curve width (small color dispersion) and at the same time differ in the position of the maximum by not more than D=0.1. Interpretation of the results requires at least approximate data on the brightness of the surface of esteroids, but it is impossible to determine the necessary as teroid albedo values except in four cases (K. Stumpff, Astron. Nachr., 276, 118, 1948). The mean spherical albedo in these four cases is 0.12, suggesting that the surface of asteroids in general is dark; their surfaces can therefore hardly consist of pumics or meteorites. The values of the phase coefficient for almost all the asteroids fall in the range 0.02-0.Q5 mag/degree, which is close to the values for the Moon (0.023) and Mercury (0.037). This suggests in turn that the photometric relief of all celestial bodies without an atmosphere is similar. On the basis of optical characteristics, the surface of the asteroids is closer to

2/3

Card

ACCESSION NR: AP5006008

lunar surface than any other object compared. It is postulated that the dark slaglike material covering the lunar surface is disseminated widely over all the small bodies of the solar system, where it is formed, as on the Moon, by the impact of meteor bodies of different mass. Orig. art. has: 5 formulas, 3 figures, and 3 tables.

ASSOCIATION: none

SUEMITTED: 19May64 ENCL: 00 SUB CODE: AA, ES

NO REF SOV: 008 OTHER: 011 ATD PRESS: 3219

1000	T(1) G!/GS	SOURCE CODE:	UR/0000/65/000/000	/0079/0081
ACC NR: AT502				35
AUTHOR: Sytin	akaya, N. N.			B+1
	nic Observatory of coriya Leningradsko	the Leningrad State go gosudarstvennogo	University (Astrouniversiteta)	romiches-
, -		Martian atmosphere		
SOURCE: AN U	erSSR. Voprosy astr blems in astrophysi). Kiev, Isd-vo Nau	ofiziki issledovan es; investigation o kova dumka, 1965, 7	iye atmosfer Venery f the atmospheres of 19-81	f
TOPIC TAGS:	mars planet, planet	atmosphere, aerosc	1, photometry	
## ## (1)	determination or t	of the Martian atm he optical thicknes stribution of brigh of other parameters	to the same shows the L	lenet disc.
	emination from T	or ofuer became fers	Oa des anderes	
stages: (1)	analysis of the di	stribution of brigh of other parameters	tnusses along the i	(mass,

16066 ACC NR: AT5024607 density, pressure on the planet surface, etc.). The results depended on the model selected as the general scheme of the atmosphere. The scheme of a purely gas atmosphere with a dispersion according to Raley's law was convenient and most often used, but did not take into consideration the aerosol component of the atmosphere. An attempt was made to determine some parameters from data on the 939 Mars opposition by using the King formula $(T = A/\lambda + D)$ during calculat one with an extended indicatrix of scattering. The obtained values of atmospheric pressure (60 mbar) were much smaller than those (85 mbar) obtained by using the scheme of the Raley atmosphere. But even these values seemed to be higher than actual because the King formula was derived with the assumption that the atmospheric plankton consisted of large particles on which a neutral scattering (D) of light occured. Because there is no reliable method yet for the separation of gas and aerosol components, the solution probably can be found in reversing the problem: by studying the content of suspended particles photometrically and using the values of pressure determined by some other methods. The calculation shawed that about half of the T values were contributed by aerosol if the data on he 1939 value of I were used and the assumption that the pressure near the surface was 25 mber. Orig. art. has: 2 formulas. En aspiante cost SUBM DATE: 05Jun65 SUB CODE: Card 2/2

UR/0269/66/000/:03/0073/0073 SOURCE CODE:

AR6020774 ACC NRI

TITLE: Search for variable brightness contrasts on the lumar surface as a scientific AUTHOR: Sytinskaya, N. N.

working program for small observatories

SOURCE: Ref. zh. Astronomiya, Abs. 3.51.608

REF SOURCE: Byul. Vses. astron.-geod. o-va, no. 36, 1965, 38-43

TOPIC TAGS: lumar surface, lumar topography, lumar reflectivity

ABSTRACT: The variations in brightness contrast, which were detected on the lunar surface, depending on the phase, may have an important meaning in striying the structure of the surface layer of the Mon, because these variations can t; caused only by the different laws of light reflections from the components of the small areas causing this contrast. The constant character of the brightness cont asts on the Mon was ascertained only for the large objects which were sufficiently s udied by photometric methods. These data are not available for the large amount of smaller objects. The calculations made by the author for the two combinations of eart; soils (basalt and volcanic slag, volcanic ashes and lapilli), showed that the chan, as of contrasts are sufficiently large (up to 0.6-0.7) so as to be easily detected by the eye. In Bearching on the lumar surface for small objects having contrast Va lations that can

1/2 Card

UDC: 523.34

SYTINSKAYA, O. N. Cand Biol Sci -- (diss) "Oxidizing phosphorylation in the liver in cases of pantothen and biotin insufficiency." Len, 1956. 9 pp 21 cm. (Acad Med Sci USSR. Inst of Experimental Medicine), 100 copies (KL, 14-57, 86)

-10-

SYTINSKAYA. O.N.

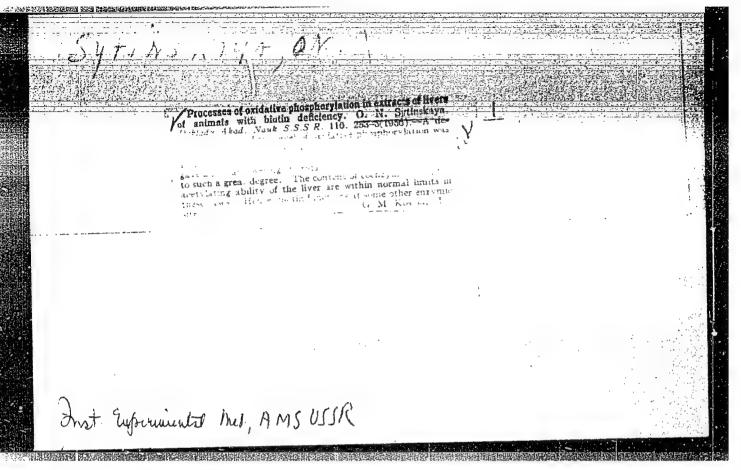
Modified method for determining sulfanilamides adapted to studying the coenzyme A content and the acetylation capacity of tissues.

Vop.med.khim. 2 no.3:214-221 My-Je *56. (MLRA 9:10)

1. Otdel biokhimii Instituta eksperimimental noy meditsiny AMN
SSSR, Leningrad.
(SULFANILAMIDE, determination,
modified technic with determ. of coenzyme A & of acetyla-

tion capacity of tissues (Rus))

(COMEZYMES, A, determ. in detection of sulfanilamides (Rus))



GOLOVIN, B.P.; SYTINSKAYA, O.N.

Steroid hormones and the activity of renal hexokinase. Vop.med.khim. 5 no.5:348-352 S-0 '59. (MIRA 13:2)

1. Institute of Experimental Medicine of the U.S.S.R. Academy of Medical Sciences, Leningrad.

(KINASES metab.)

(KIDNEYS metab.)

(STEROIDS pharmacol.)

SYTINGK YA, D. M., DOMUSOVA, D. K. (USSR)

"Hexlkinase Activity and Oxidative Phosphorylation in the Liver of Biotin-Deficient Chicks (Read by title)."

Report presented at the 5th International Biochemistry Congress, Moscow, 10-16 August 1961

GOLOVIN, B.P.; SYTINSKAYA, O.N.

Influence of hormones on the hexokinase activity of subcellular renal structures in the rabbit. Vop. med. khim. 7 no.5:492-494 S-0 '61. (MIRA 14:10)

1. The Department of Biochemistry of the Institute of Experimental Medicine of the Academy of Medical Sciences of the U.S.S.R. (KIDNEYS) (HEXOKINASE) (HORMONES)

OCHAPOVSKIY, B.L.; BASPOPOV, O.M.; SYTHESKIY, A.D.

Vertical gradient of the force of gravity. Uch.sap.Len.un. no.210;
(MERA 9:8)

(Gravity)

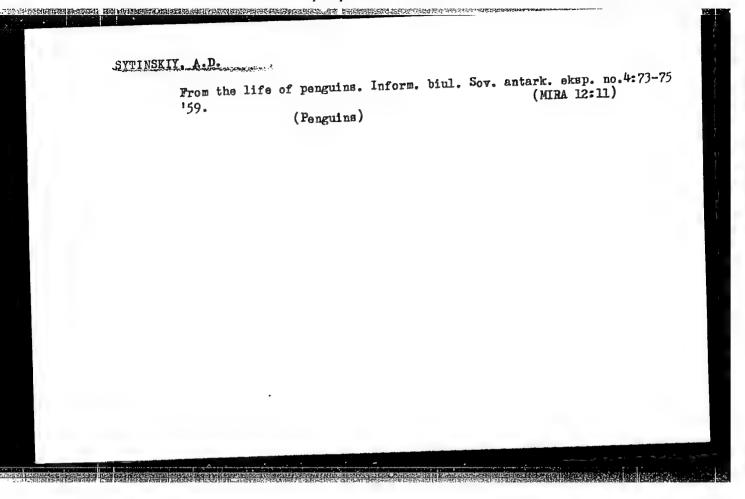
SYTINSKIY, A.D., mladshiy nauchnyy sotrudnik

Seismic observations at the Mirnyy Observatory. Inform.biul.
Sov.antark.eksp. no.1:79-80 '58. (MIRA 12:8)

1. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut.

(Antarctic regions-Seismometry)

·		r (Pirat id-vo Itai ikiy	nadina. ogiata,	1fie data (1955- (1955- (1956- (1956- Institute) Institute) Institute Insti	the 93 rea of 104	111 115 115 115		0
	PHAST I BOOK KIPLOITATION SOV/4339 Sovetshays antarkticheskays akspeditalys, 1955-	Perege koutinental ingre skipeliteige 1955-1957 gg.; meringre realiteig (Pirek Continental Expedition, 1955-1957; Scientific Beaulas) Lendingrad, Ind-ro Bonskop transport, 1955-1957; Scientific Beaulas) Lendingrad, Ind-ro Materialy, tom 2) Spongering Lgency: Articheskiy i materiticheskiy neauchno-iseledowstel'sky	institut. Ed.: M.M. Somor, Doctor of Geographical Sciences; Tech. Ed.: L.P. Droibshina. PERPOSE: This book is intended for polar specialists, geographers, geologists, meteorologists, and geophysicists.	COVERAGE: This book is Volume 2 of a militablume work containing scientific data collected by the First Socies Continuant Experience the Antertiol (1952-197), seat out under the supplies of the Artichesity Innumber 197, seat out under the supplies of the Artichesity Innumber 197, seat out under the supplies of the Artichesity Innumber 1981 decreased and the Artichesity Innumber 1981 decreased and Artichesity Innumber 1981 decreased the Properties of the supplies of the applicable of the Artichesity Innumber 1981 decreased the Article Society of the applicable to local conditions, and of single and techniques for field studies applicable to local conditions, and of single and Society of the anterior of contributions of the region Council and Society of Articles and Articles are combined in the three cases of Circumstan elements demanded Phoneistals, in the Article Society and Articles, on the Shouthoft and a supplies and a managed Linda Articles are and a the Mineral Linda, Articles are managed at the Articles and Articles are managed at the Articles and Articles are managed at Articles and Articles are an articles, Articles and Articles are managed at Articles and Articles are an articles and Articles are managed at Articles and Articles are an articles and Articles are an articles and Articles are an articles are an articles and Articles are an articles are an articles are an articles are articles are an articles are articles are an articles are an articles are an articles are articles are an articles are articles are an ar	Generaterich, Ta.S Ice Segime of the Davis Sea and Aljecent Regions of the Observation of the Expedition's Area of Arrections in the Expedition's Area of	Santo, 6.V. Iomospherio Cheervations Santo, 6.V. Iomospherio Cheid in the Magton of Mirayy Santo, P.L. Magnetic Field in the Magton of Mirayy Santo, P.L., and V.L. Truitekaye. Investigation of Tellurin Currents in	ingion of Mirayy optimately, A.D. Solumin Observations in Mirayy Palayov, H.R. Medical Studies in Rast Antervice	AVAILABLE: Library of Congress (0850.554)
					- ,		H 1	KIYSNILKS



SYTINSKIY, A.D., mladshiy nauchnyy sotrudnik

Map of the distribution of earthquake epicenters based on observations made at the Mirnyy Observatory. Inform. biul. Sov. antark. eksp. no.7:31-33 159. (MIRA 13:3)

1. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut.

(Antarctic regions--Earthquakes--Maps)

ACCESSION NR: AT4041518

8/2732/59/002/000/0153/0156

AUTHOR: Sy*tinskiy, A.D.

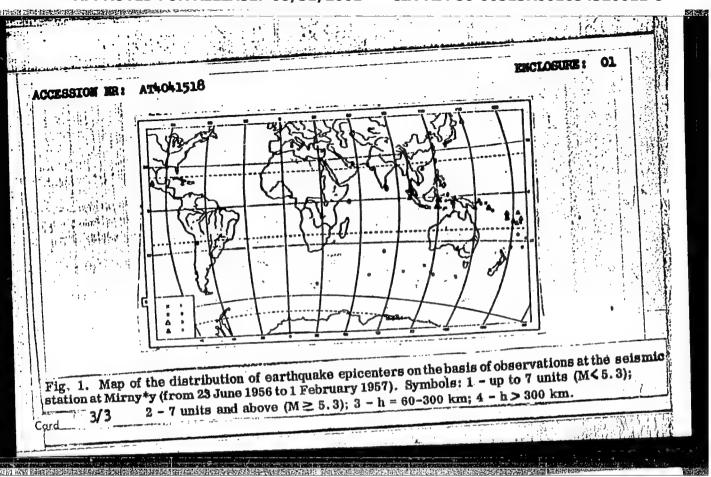
TITLE: Seismic observations at Mirny*y

SOURCE: Sovetskaya antarkticheskaya ekspeditsiya, 1955-1958. Pervaya kontinental'naya ekspeditsiya, 1955-1957 gg.; nauchny*ye rezul'taty* (First continental expedition; scientific results). Trudy* ekspeditsii, v. 2. Leningrad, Izd-vo "Morskoy transport," 1959, 153-156

TOPIC TAGS: seismicity, seismic activity, seismology, seismic station, microseism, geophysics

ABSTRACT: The seismic station at Mirny*y in Antarctica is located on a rock outcrop at an elevation of 17 m above sea level, remote from sources of man-induced interference; the instruments are in a depression in a granitic intrusion and protected from the influence of strong winds. Serious interference is created, however, by microseisms of the first kind. These microseisms occur due to the proximity of the site to the sea shore and the passage of frequent low-pressure areas. About 30% of all seismograms have a considerable microseismic background, and in certain cases the microseismic background is so severe that

.1/3



20394 s/169/61/000/007/012/104 A006/A101

3,5000

AUTHOR:

Sytinskiy, A.D.

TITLE:

Microseisms at Mirnyy and their connection with hydrometeorological

conditions

PERIODICAL: Referativnyy zhurnal. Geofizika, no. 7, 1961, 11, abstract 7A114 (V Referativity znurnat. Geoffzika, No. (, 1901, 11, abstract (All Tost) sb. "Seysm. issled. no. 4", Moscow, AN SSSR, 1960, 116 - 132, Eng-

lish summary)

From June 1956 regular seismic observation with the aid of Kirnos devices were started at Mirnyy. These devices possess an almost constant magnification within a 0.2 - 9 sec range of seismic wave periods; this is quite convenient for recording microseisms. An analysis of microseismic records consisted in the measuring of amplitudes and periods for 4 periods during a day. In the case of heavy microseismic storms the directions on the microseismic sources were determined from Raleigh waves. Microseisms with 2 to 10 sec periods are observed at Mirnyy; during the summer shorter periods prevail. The independence of intensity on seasonal changes of the ice cover around the Antarctic is a characteristic feature of long-period (winter) microseisms. They are most intensive

Card 1/2

S/169/62/000/005/005/093 D228/D307

AUTHOR:

Sytinskiy, A. D.

TITLE:

The relation of geotectonics to solar activity

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 5, 1962, 14, abstract 5A100 (Inform. byul. Sov. antarkt. ekspedit-

sii, no. 28, 1961, 5-10)

TEXT: The relation of the yearly distribution of the amount of seismic energy, evolved in strong earthquakes (M > 7), to the course of the solar activity indices is considered, and it is established that the greatest quantity of energy occurs in the years of the maxima and the minima (with a one-year displacement) of the 11-year solar activity cycle. The dates of catastrophic planetary earthquakes also fall in the same years. Proceeding from the fact that the prevailing seismic energy value is distinguished in these strongest earthquakes (M>8), a direct relation between these phenomena is proposed in accordance with the scheme: solar activity -- change in the angular rate of the earth's rotation -- change in

Card 1/2

S/169/62/000/005/005/093 D228/D307

The relation of ...

the earth's figure -- intensification of solar activity. The character of the solar activity's influence on the angular rate of the earth's rotation is reckoned to be as yet unestablished. It is possible that this process is related to the interaction of the earth's magnetic fields with wave and corpuscular solar-radiation flows. The total quantity of energy, evolved in connexion with the seasonal change in the rate of the earth's rotation, amounts

to 1.27 x 10²⁷ ergs for the crust; it approximately corresponds to the total annual magnitude of the liberated energy of shallow earthquakes. The annual trend of the energy of earthquakes with a normal focal depth anticipates that of the seismic energy of intermediate and deep earthquakes by one month. In the author's opinion this circumstance, and also the excess of normal earthquake energies over those of intermediate and deep ones, is due to the fact that the genesis of earthquakes is connected with sources lying beyond the earth. 16 references. Abstracter's note: Complete translation.

Card 2/2

s/169/62/000/006/065/093 D228/D304

Sytinskiy, A. D. AUTHOR:

Question of using microseisms in weather forecasting TTTTE:

at Mirnyy

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 6, 1962, 40, abstract 6B266 (Inform. byul. Sov. antarkt. ekspeditsii,

no. 29, 1961, 33-38)

TEXT: Microseisms are understood to be surface Rayleigh- and Lovetype waves, arising in the crust as a result of sea and ocean gales and spreading at a velocity of ~3 km/sec. Microseismic vibrations exist continuously; their amplitudes A and periods T vary in time. For Mirnyy microseisms with T \$\infty 5 sec and 2A < 1 \text{A represent the normal background to scattered sources. When 2A >1 µ, it is possible to speak of a seismic storm or so-called gale microseisms. Microseismic storms appear whenever cyclones pass, or the wind speed increases, in the ocean at a sufficiently close distance to the coast. -The larger the amplitude of microseisms, the closer, the deeper

Card 1/2

Question of using ...

S/169/62/000/006/065/093 D228/D304

and the more intense the cyclones. Short-period microseisms (T \approx 2.-5 sec) reflect the state of the weather and the swell in a narrow constal region and are generated only within mainland shallows. Long-period microseisms (T \approx 5 - 10 sec), being generated beyons mainland shallows or at their edges, depend on the state of the weather over extensive ocean regions. A number of synoptic charts, illustrating the location of cyclones in comparison with the data about microseisms according to observations at Mirnyy, are given. It is noted that the cited regularities doe not completely settle the question of the relation of microseisms to the weather. / Abstracter's note: Complete translation. /

Cará 2/2

S/203/63/003/001/017/022 A061/A126

AUTHORE

Sytinskiy, A. D.

TITLE:

Contemporary tectonic movements as one of the manifestations

of the solar activity

PERIODICAL: Geomagnetizm i aeronomiya, v. 3, no. 1, 1963, 148 - 156

TEXT: The attempt is made to explain some geotectonic movements by both internal and external causes. The study is restricted to the causes of the variations of the angular velocity of the Earth. The relationship between solar activity and angular velocity is indicated: the angular velocity decreases as the solar activity increases. In a study of seismic data and data of the solar activity over the past sixty years, a relationship is found between an eleven-year seismic activity and the cycles of solar activity. The seismic activity increases during the extremes of the eleven-year solar cycle. Most of the strong earthquakes take place two to three days after the passage of sunspots through the central solar meridian. Whenever there occur earthquakes being thus

Card 1/2

9 0

Contemporary tectonic movements S/203/63/003/001/017/022

A061/A126

related to sunspots, no magnetic storms are observed. If magnetic storms produced by sunspots arise, no earthquakes occurs stosmic rays are said to shed light on electromagnetic conditions in the coircumterrestrial space. There are 4 figures and 1 table.

ASSOCIATION: Arkticheskiy i antarkticheskiy nauchno-issledovatel skiy institut (Arctic and Antarctic Scientific Research Institute)

SUBMITTED: April 10, 1962;

VORCNOV, P.S.; GAKKEL', Ya.Ya.; SYTINSKIY, A.D.

Possible effect of the earth's rotation forces on the morphological structure of the Arctic and the Antarctic. Probl. Arkt. (MIRA 16:2) i Antarkt. no.10:17-26 '62.

(Earth—Rotation) (Arctic regions—Geomorphology)

(Antarctic regions—Geomorphology)

SYTINSKIY, A.D.; CHUKANIN, K.I.

Atmospheric circulation in the northern Atlantic and microseisms in Pulkovo. Izv. AN SSSR. Ser. geofiz. no.8:1238-1239 Ag '63. (MIRA 16:9)

1. Arkticheskiy i antarkticheskiy nauchno-issledovatel skiy institut.
Predstavleno chlenom redaktsionnoy kollegii Izvestiy AN SSSR,
Seriya geofizicheskaya, Ye.F.Savarenskim.

(Pulkovo-Seismometry) (Atlantic Ocean-Atmosphere)

SYTINSKIY, A.D., mladshiy nauchnyy sotrudnik

Supposed seismicity of the earth and the zone south of 40°S in the period of the International Year of Quiet Sun. Inform.biul.Sov.antark. (MIRA 17:1) eksp. no.42:33-35 '63.

1. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut.

SYTIMSKIY, A.D., mladably nauchovy setrudnik

of the Southern and Northern Hemispheres and their cause. Inform. biul, Sov. antark.eksp. no.44.22-27 163. (MIRA 17:4)

]. Arkticheskty i entarkticheskty nauchro-issledovatel'skly institut.

SYTINSKIY, A.D.

Recent tectonic movements as one of the manifestations of solar activity. Geomag. i aer. 3 no.1:148-156 Ja-F 163. (MIFA 16:4)

l. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut.
(Sun) (Geology, Structural)

SYTINSKIY, A.D.

Possibility of the effect of solar activity on the seismicity of the earth. Biul. Sov. po seism. no.15:47-52 '63. (MIRA 17:4)

SYTINSKIY, A. D.; TRIPOL'NIKOV, V. P.

Some results of studies on the natural vibrations of the ice fields of central Antarctica. Izv. AN SSSR, Ser, geofiz. no. 4: 615-621 Ap '64. (MIRA 17:5)

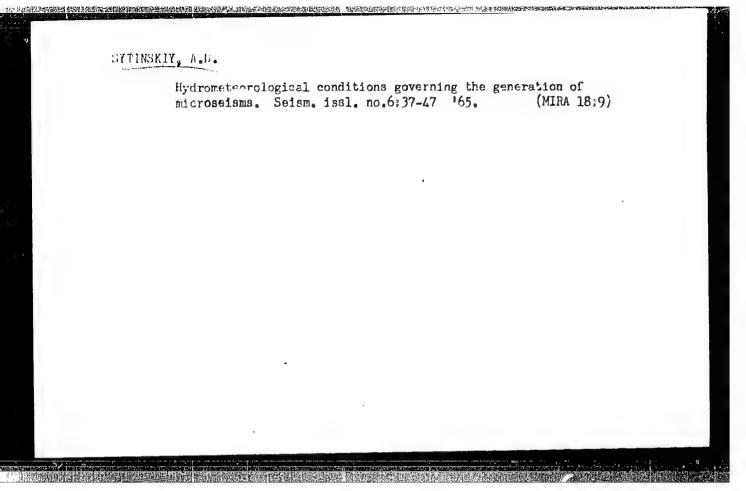
1. Arkticheskiy i antarkticheskiy nauchno-issledovateliskiy institut.

SYTINSKIY, A.D.

Atmospheric processes as a mechanism of the effect of solar activity on tectonic phenomena. Dokl. AN SSSR 155 no.1:79-81 Mr 164. (MIRA 17:4)

1. Predstavlene akademikom D.I.Shcherbakovym.

公式是我们,那些两种的数据的内部也是在他们的是是否的自己的,可以可以可以是对对这种的。



Labella, A.r.: Stringer and product and lags of the Social Assessment on at themselves in letter blue. Social Assessment of the stringer in letter blue. Social Assessment of the control of the stringer of t

GUDKOVICH, Z.M.; SYTINSKIY, A.D.

Some results of observations on tidal phenomena in the Arctic basin by means of tiltmeters. Okeanologiia 5 no.5:819-824 165.

(MIRA 18:11)

1. Arkticheskiy i antarktichesky nauchno-issledovatel'skiy
institut.

对自然的数据,我们就是一个人的,我们就是一个人的人的人,我们就不是一个人的人,我们就不是一个人的人。
15/005/005/0819/0824
L 40018-66 EWT(1) GW SOURCE CODE: UR/0213/65/005/005/0819/0824
ADS 005990
Gudkovich, Z. M.; Sytinskly, A. D. (rkticheskiy i antarktiches
AUTHOR: Scientific Research Institute
ACC NRi Arousses AUTHOR: Gudkovich, Z. M.; Sytinskiy, A. D. AUTHOR: Gudkovich, Z. M.; Sytinskiy, A. D. ORG: Arctic and Antarctic Scientific Research Institute (rkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut) kiy nauchno-issledovatel'skiy institut) TITLE: Some results of the observations of tide phenomena in the Arctic Basin using tiltmeters
kly haddens
tiltmeters
overplogiva, v. 5, no. 5,
tiltmeters SOURCE: Okeanologiya, v. 5, no. 5, 1965, 819-824 SOURCE: Okeanologiya, v. 5, no. 5, 1965, 819-824 TOPIC TAGS: ocean dynamics, ocean tide, sea ice, angle measurement instrument TOPIC TAGS: ocean dynamics, ocean tide, sea ice flow were investigated at North Pole-10 and the ocean dynamics of an ice flow were investigated by the ocean dynamics of an ice flow were investigated by the ocean dynamics.
SOURCE: Okeanology, ocean tide, sea ice, angle measurements TOPIC TAGS: ocean dynamics, ocean tide, sea ice, angle measurements TOPIC TAGS: ocean dynamics, ocean tide, sea ice, angle measurements TOPIC TAGS: ocean dynamics, ocean tide, sea ice, angle measurements Bonchkovskiy tiltmeter described by ABSTRACT: Changes in the inclination of an ice flow were investigated at North Pole-10 TOPIC TAGS: ocean dynamics, ocean tide, sea ice, angle measurements Bonchkovskiy tiltmeter described by ABSTRACT: Changes in the inclination of an ice flow were investigated at North Pole-10 Topic TAGS: ocean dynamics, ocean tide, sea ice, angle measurements Bonchkovskiy tiltmeter described by ABSTRACT: Changes in the inclination of an ice flow were investigated at North Pole-10 Topic TAGS: ocean dynamics, ocean tide, sea ice, angle measurements Bonchkovskiy tiltmeter described by ABSTRACT: Changes in the inclination of an ice flow were investigated at North Pole-10 Topic TAGS: ocean dynamics, ocean tide, sea ice, angle measurements Bonchkovskiy tiltmeter described by ABSTRACT: Changes in the inclination of an ice flow were investigated at North Pole-10 Topic TAGS: ocean dynamics, ocean tide, sea ice, angle measurements Bonchkovskiy tiltmeter described by ABSTRACT: Changes in the inclination of an ice flow were investigated at North Pole-10 Topic TAGS: ocean dynamics, ocean tide, sea ice, angle measurements Topic TAGS: ocean dynamics, ocean tide, sea ice, angle measurements Topic TAGS: ocean dynamics, ocean tide, sea ice, angle measurements Topic TAGS: ocean dynamics, ocean tide, sea ice, angle measurements Topic TAGS: ocean dynamics, ocean tide, sea ice, angle measurements Topic TAGS: ocean dynamics, ocean tide, sea ice, angle measurements Topic TAGS: ocean tide, sea ice, angle measurements Topi
ABSTRACT: Changes in the inclination of an ice flow were tiltmeter described by ABSTRACT: Changes in the inclination of an ice flow were described by ABSTRACT: Changes in the inclination of an ice flow were described by ABSTRACT: Changes in the inclination (1955). The measuring device was drift station from April to May 1962, using the Bonchkovskiy (1940) and Savarenskiy and Kirnos (1955). The measuring device was 3 mm/h and Bonchkovskiy (1940) and Savarenskiy and device's speed of registration was 3 mm/h and Bonchkovskiy (1940) and Savarenskiy and device's speed of registration was 3 mm/h and Bonchkovskiy (1940) and Savarenskiy and Kirnos (1955). The measuring device was mounted on bricks frozen into ice. The device's speed of registration was 3 mm/h and Bonchkovskiy (1940) and Savarenskiy and Kirnos (1955). The measuring device was 1940 and Savarenskiy and Kirnos (1955). The measuring device was 1940 and Savarenskiy and Kirnos (1955). The measuring device was 1940 and Savarenskiy and Kirnos (1955). The measuring device was 1940 and Savarenskiy and Kirnos (1955). The measuring device was 1940 and Savarenskiy and Kirnos (1955). The measuring device was 1940 and Savarenskiy and Kirnos (1955). The measuring device was 1940 and Savarenskiy and Kirnos (1955). The measuring device was 1940 and Savarenskiy and Kirnos (1955). The measuring device was 1940 and Savarenskiy and Kirnos (1955). The measuring device was 1940 and 194
drift state (1940) and Savarente The device's speed of short duration was a
mounted the variety was 0.3 sec/imm. and the Pertsev analy using harmonic and internal
Bonchkovskly (125) mounted on bricks frozen into ice. The inclination changes of should be shoul
its sensitivity was 0.3 sec/mm. The throwing harmonic analysis and its sensitivity was 0.3 sec/mm. The pertsev analytical means harmonic analysis and its sensitivity was 0.3 sec/mm. The pertsev analytical means harmonic analysis and its sensitivity was 0.3 sec/mm. The pertsev analytical means harmonic analysis and its sensitivity was 0.3 sec/mm. The pertsev analytical means harmonic analysis analysis and its sensitivity was 0.3 sec/mm. The pertsev analytical means harmonic analysis an
tide in the area of observation is equal to 1.5 h, which agrees well as the street of
tide in the area to 1.5 h, which agree inclination is equal to 1.5 h, which agree upc: 551.46.08: 551.466.7(268.5/9)
Card 1/2

APPROVED FOR RELEASE. 08/51/2001 CIA-RDP86-0051-3R001054520011-6

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP

CIA-RDP86-00513R001654320011-8

L	41084_66 EWI(1)/FCC GN SOURCE CODE: UR/0203/66/006/004/0726/0732 ACC NR: AP6028354 SOURCE CODE: UR/0203/66/006/004/0726/0732
	AUTHOR: Sytinskiy, A. D. Research Institute (Arkticheskiy i
	TITLE: Mechanism of influence of solar activity on the atmosphere and 121
	Coomegnetizm i aeronomiya, v. 6, no. 4, 1966, 720-132
	ABSTRACT: It is shown that the planetary atmospheric processes are the radiax ABSTRACT: It is shown that the planetary atmospheric processes are the radiax ABSTRACT: It is shown that the planetary atmosphere and decrease its kinetic energy.
-	As deresult of these changes, normal atmosphere. This, in turn, cause of the ture gradients in the troposphere, is disrupted. This, in turn, cause of the ture gradients in the troposphere, is disrupted and a consequent disturbance of the ture gradients in the tropospheric mass around the globe and a consequent disturbance in 1-2.
	As a result of these changes here, is disrupted. In the ture gradients in the troposphere, is disrupted. In the ture gradients in the troposphere, is disrupted. In the ture gradients of the atmosphere remains unchanged in the figure of the earth. The angular moment of the atmosphere remains unchanged in the figure of the earth. The angular moment of the atmosphere remains unchanged in the figure of the atmospheric gradients. Examples process. It is concluded that the mean capacity due to solar activity. Examples orders of magnitude smaller than the mean capacity due to solar activity orders of magnitude smaller than the mean capacity of atmospheric pressure variation of strong earthquakes are explained by peculiarities of atmospheric pressure variation of strong earthquakes are explained by peculiarities of atmospheric pressure variation of strong earthquakes are explained by peculiarities of atmospheric pressure variations.
	of strong earthquakes UDC: 523.745:591.92.

OSTRETSOVA, I.B.; SYTINSKIY, I.A.

Study of the glutamic decarboxylase activity in the brain of rats following the introduction of strychnine and isonicotinic acid hydrazide. Ukr. biokhim. zhur. 36 no. 4:593-597 '64. (MIRA 18:12)

1. Laboratoriya khimii belka Leningradskogo gosudarstvennogo universiteta. Submitted August 25, 1963.

AVENIROVA, Ye.D.; SAVIN, B.M.; SYTINSKIY, I.A.

的过程数据的**组织 的复数形态 经**期的 医眼周 斯拉 经资本的价值 经经验的 经未经验的 经现代的 经工程 经工程 计算机 经工程 计可能 化二甲基甲基甲基甲基

Effect of oxygen starvation and acceleration on the content of glutaminic and J-aminobutyric acid in brain tissues. Vop. med. khim. 10 no.6:595-600 N-D 164. (MIRA 19:1)

l. Laboratoriya khimii belka Leningradskogo universiteta i kafedra aviatsionnoy meditsiny Voyenno-meditsinskoy ordena Lenina akademii imeni Kirova, Leningrad.

LYONG TAN CHYONG; NGUYEN KHYU CHAN'; LYONG TAN TKHAN'; NGUYEN TKHI TKHIN'; SYTINSKIY, I.A.

Hematologic and chemical analysis of the blood in different brain parts of monkeys following γ-irradiation. Radiobiologiia 5 no.2:268-274 '65. (MIRA 18:12)

1. Khanoyskiy universitet, Institut radiologii i Bol'nitsa Bak-May Demokraticheskoy Respubliki V'yetnam i Leningradskiy gosudarstvennyy universitet.

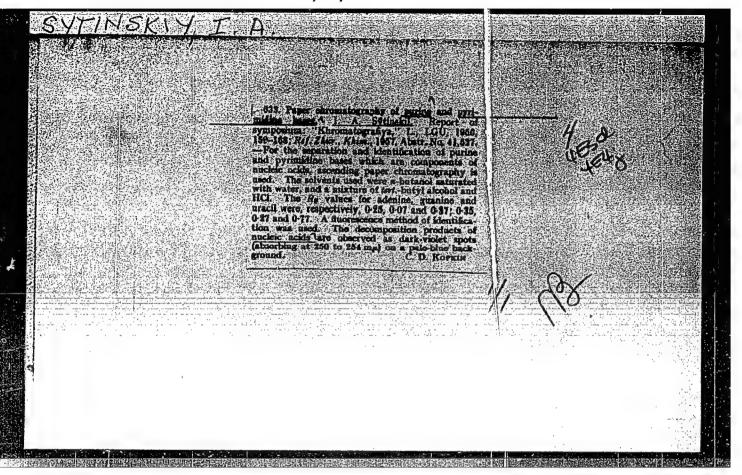
SYTINUKIY, I.A.

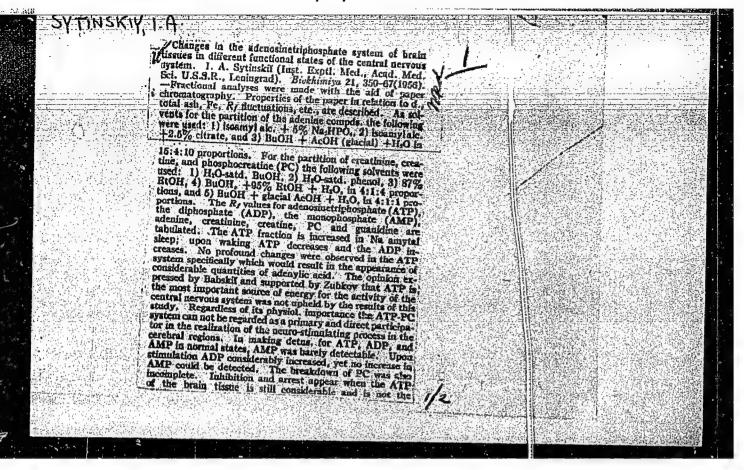
SYTINSKIY, I.A.—"Changes in the Adenosinetriphosphoric Acid System in the Tissue of the Brain in the Presence of Various Functional States of the Central Nervous System." (Dissertations In Science And Engineering At USSE Higher Educational Institutions). (34). Acad Med Sci USSE, Inst Experimental Medicine, Leningrad, 1955.

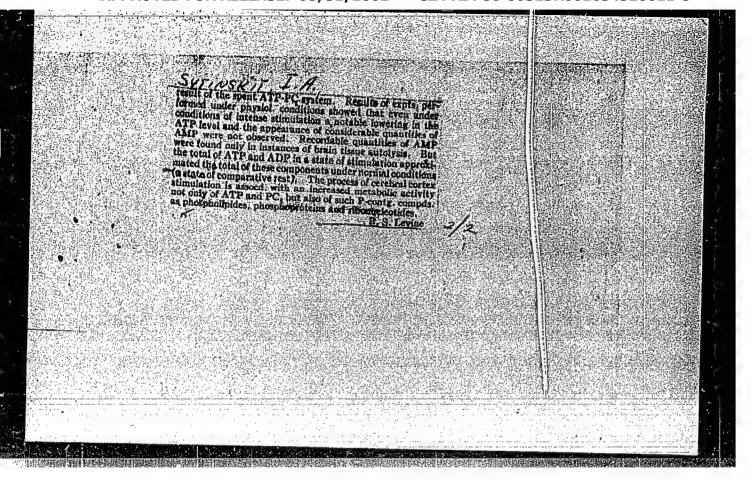
SO: Knizhnaya Letopis', No. 34, 20 August 1955

* For the Degree of Candidate in Biological Sciences

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654320011-8"







APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001654320011-8"

LAPINSKAYA, Ye.M. SYTINSKIY I.A.

Variation of ion transfer numbers in pores of isolated guines pig skin under different physiological conditions [with summary in English]. Biofizika 3 no.3:371-374 '58 (MIRA 11:6)

VLADIMIROV, G.Ye. [deceased]; MEZESH, V.; MYUL'BERG, A.A.; SYTINSKIY,

Electrophoretic separation of soluble proteins of the brain on paper and on an agar block. Nerv. sist. no. 2:3-10 '60. (MIRA 14:4) (PROTEINS IN THE BODY) (PAPER ELECTROPHORESIS)

VERESHCHAGIN, S.M.; SYTINSKIY, I.A.

Physiological effects of 46 no.10:1287-1292 0 160.

γ -eminobutyric : cid. Fiziol. zhur. (MIRA 13:11)

(BUTYRIC ACID)

(INHIBITION)

VERESHCHAGIN, S.M.; SYTINSKIY, I.A.

Effect of gamma-aminobutyric acid and beta-alanine on the motor and bioelectric activity of annelid ganglia. Dokl.AN SSSR 132 no.5:1213-1215 Je '60. (MIRA 13:6)

1. Fiziologicheskiy institut im. A.A. Ukhtomskogo Leningradskogo gosudarstvennogo universiteta im. A.A. Zhdanova. Predstavleno akademikom Ye.N. Pavlovskim.

(BUTYRIC ACID) (AIANIME) (NERVOUS SYSTEM—WORMS)

SYTINSKIY, I. A., MIADIMIROV, G. Y., MYUIBERG, A. A., MEZESH, V., (USSR)
"The Electrophoretic Separation of Cerebral Proteins and Lipoproteins."
Report presented at the 5th Int'l. Congress, Moscow, 10-16 Aug 1961.

。 19. 大大元元元年中发行出,中国国际国家企业的支持工程,19.10年间,19.10年间,19.10年间,19.10年间,19.10年间,19.10年间,19.10年间,19.10年间,19.10年间,19.10年间,

VLADIMIROV, G.Ye. [deceased]; MYUL'BERG, A.A.; SYTINSKIY, I.A.

Electrophoretic separation of soluble human cerebral proteins on paper and in agar blocks. Vop. med. khim. 7 no. 1:65-70 Ja-F '61. (MIRA 14:4)

1. Laboratory of Protein Chemistry State A.A. Zhdanov University, Leningrad.

(PROTEINS) (BRAIN)

MYUL BERG, A.A.; SYTINSKIY, I.A.

Extraction from agar blocks of a dye bound to a protein. Vop. med. khim. 7 no.4:441-442 J1-Ag 161. (MIRA 15:3)

1. Laboratory of Protein Chemistry of the Leningrad State University.

(ELECTROPHORESIS)
(BLOOD : PROTEINS)

VERESHCHAGIN, S.M.; SYTINSKIY, I.A.; TYSHCHENKO, V.P.

Influence of Y-aminobutyric acid and β -alanine on motor effects and bioelectric activity in annelids and arthropods. Zhur. ob. biol. 22 no.6:467-471 N-D '61. (MIRA 14:11)

1. Physiological Institute, State University of Leningrad.
(BUTYRIC ACID) (ALANINE) (ELECTROPHYSIOLOGY)

MASLOVA, M.N.; SYTINSKIY, I.A. (Leningrad)

Pharmacological effects of \(\frac{1}{2} \) -aminobutyric acid. Farm. i toks.

24 no.5:625-630 S-0 '61.

(BUTYRIC AGID)

(BUTYRIC AGID)

VLADIMIROV, G.Ye. [deceased]; SYTINSKIY, I.A. (Leningrad) Metabolism of γ -aminobutyric acid and its role in the functional activity of the nervous system. Usp. sovr. biol. 51 no.1:3-20 Ja-F '61. (MIRA 14:3)

(BUTYRIC ACID) (BRAIN)

CIA-RDP86-00513R001654320011-8" APPROVED FOR RELEASE: 08/31/2001

VERESHCHAGIN, S.M.; SYTINSKIY, I.A.; TYSHCHENKO, V.P.

Effect of (3-hydroxy-Y-aminobutyric acid on the bioelectric activity of ganglia of the isolated nerve chain in lepidopterans. Dokl.AN SSSR 138 no.3:722-724 My '61. (MIRA 14:5)

l. Leningradskiy gosudarstvennyy universitet im. A.A.Zhdanova.

Predstavleno akademikom V.N.Chernigovskim.

(Butyric acid) (Electrophysiology) (Nervous system—Insects)